

Title (en)
A METHOD FOR AN ACQUISITION OF DATA FROM EXTERNAL DIGITAL SENSORS WITH AN RFID SMART TAG AND A TAG INTEGRATED CIRCUIT FOR CARRYING OUT SAID METHOD

Title (de)
VERFAHREN FÜR EINE DATENERFASSUNG AUS EXTERNEN DIGITALEN SENSOREN MIT EINEM RFID-SMART-TAG UND EINEM IN DAS TAG INTEGRIERTEN SCHALTKEIS ZUR DURCHFÜHRUNG DIESES VERFAHRENS

Title (fr)
PROCÉDÉ POUR L'ACQUISITION DE DONNÉES À PARTIR DE CAPTEURS NUMÉRIQUES EXTERNES À L'AIDE UNE ÉTIQUETTE RFID INTELLIGENTE ET D'UN CIRCUIT INTÉGRÉ D'ÉTIQUETTE DESTINÉS À METTRE EN UVRE CE PROCÉDÉ

Publication
EP 2740079 A1 20140611 (EN)

Application
EP 12772137 A 20120801

Priority
• SI 201100294 A 20110803
• SI 2012000050 W 20120801

Abstract (en)
[origin: WO2013019164A1] A microprogram for performing communication between an RFID smart tag and external digital sensors (EDS1, EDSK) is loaded in a buffer (Bu). A hard- wired dedicated processing unit (DPU) of the tag reads, decodes and executes said microprogram through the digital communication interface (DCI). The sensor data is stored at beginning locations of said buffer (Bu), wherefrom they are read by an RFID interrogator. The tag functionality in an application is setttable with the RFID interrogator to an automatic data logger or RFID wireless sensor. The tag is adjustable to various types of digital sensors from various manufacturers. A hardwired dedicated processing unit makes it possible that the tag saves more energy, has smaller dimensions and is faster.

IPC 8 full level
G06K 19/077 (2006.01); **G06K 7/10** (2006.01); **G06K 19/07** (2006.01)

CPC (source: EP US)
G06K 7/10009 (2013.01 - EP US); **G06K 19/0717** (2013.01 - EP US); **G06K 19/07749** (2013.01 - EP US); **G06F 9/3001** (2013.01 - US); **G06F 9/30036** (2013.01 - US); **G06F 9/30145** (2013.01 - US); **G06K 7/0008** (2013.01 - US)

Citation (search report)
See references of WO 2013019164A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2013019164 A1 20130207; CN 103797497 A 20140514; CN 103797497 B 20170315; EP 2740079 A1 20140611; EP 2740079 B1 20150722; SI 23851 A 20130228; US 2014247118 A1 20140904; US 9558382 B2 20170131

DOCDB simple family (application)
SI 2012000050 W 20120801; CN 201280038286 A 20120801; EP 12772137 A 20120801; SI 201100294 A 20110803; US 201214236066 A 20120801